ABSTRACT

An interpreter for executing a programming language is equipped with a native code calling function. The interpreter calls native code and executes the native code by an emulation layer that performs emulation

5   through hardware. The emulation layer monitors memory access instructions made by the native code to check if there are any illegal memory accesses, and manages information of execution states of portion of the native code, such that the execution states of the portion of the native code can be saved and restored.